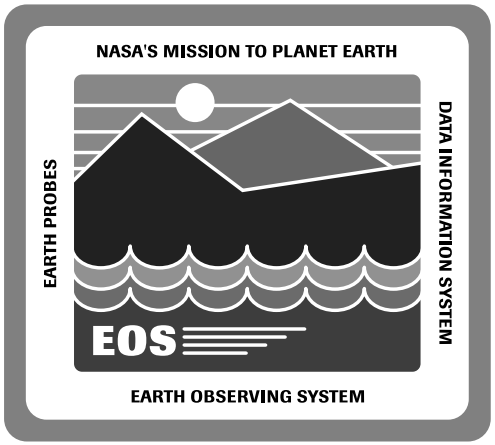
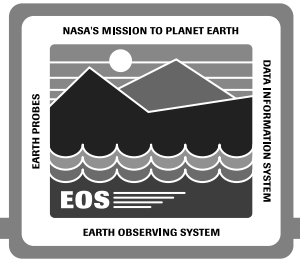


IR-1 DAAC LANs

Ezra Jalleta

17 January 1995

IR-1 Assumptions



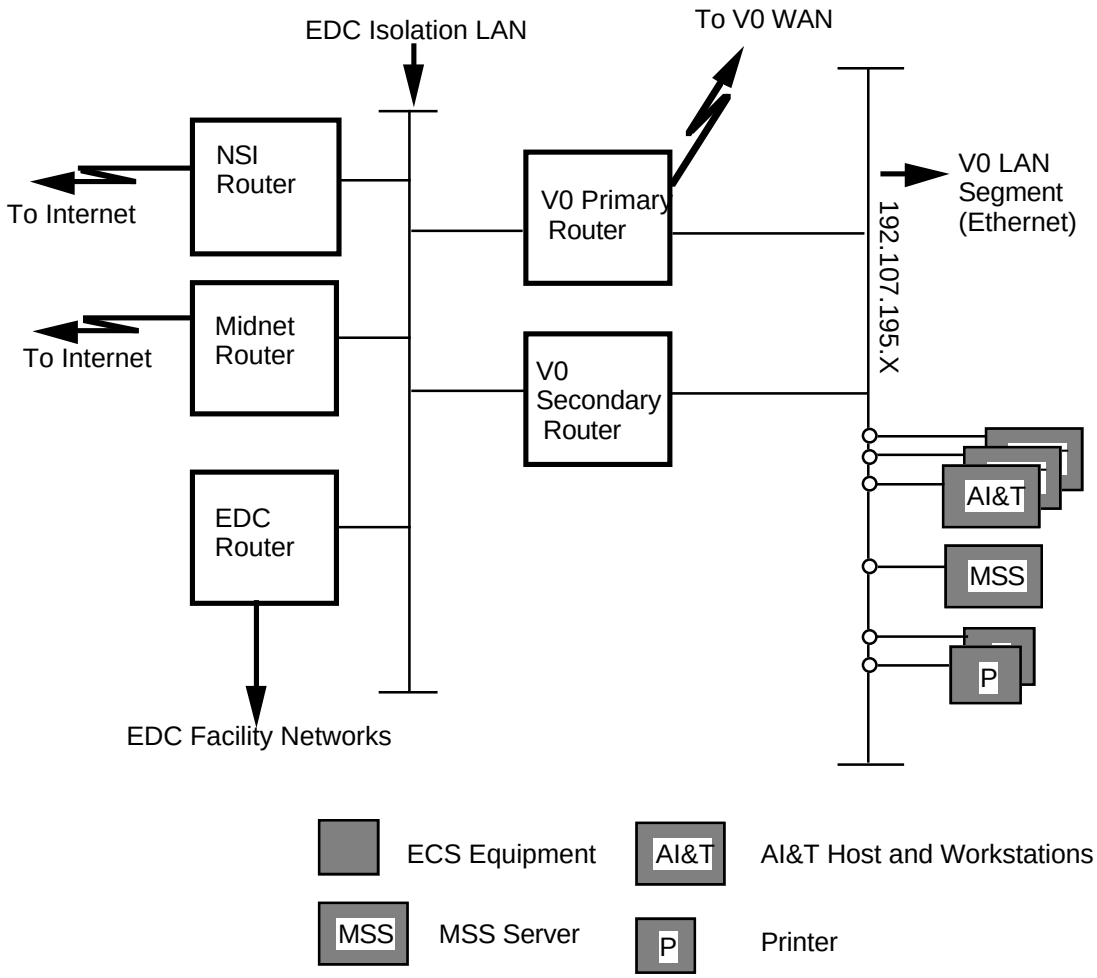
- **IR-1will support Algorithm I&T for TRMM and AM-1 Instruments and early interface tests with the TRMM ground system.**
- **IR-1 sites are EDC, GSFC, LaRC and MSFC**
- **The following are assumptions related to the use of network resources during IR-1**
  - **There will be 6 - 7 network attached devices at each DAAC**
  - **Network traffic to and from IR-1 hosts is minimal (< 10 Mbps)**
  - **ECS hosts supporting the IR-1 mission shall be assigned addresses from existing V0 address space**
  - **At all IR-1 DAACs, V0 network devices currently have sufficient capacity to support ECS IR-1 Hosts**

IR-1 Assumptions

- **CSMS has started to coordinate the use of V0 networks at each DAAC for IR-1. This will:**
  - **reduce up-front LAN equipment purchases**
  - **will ease cutover to Release A (i.e., allows I-R1 to remain operational during Release A integration and test)**

IR-1 DAAC Location	Available Ethernet Connections
EDC	5
GSFC	10+
LaRC	10+
MSFC	10+

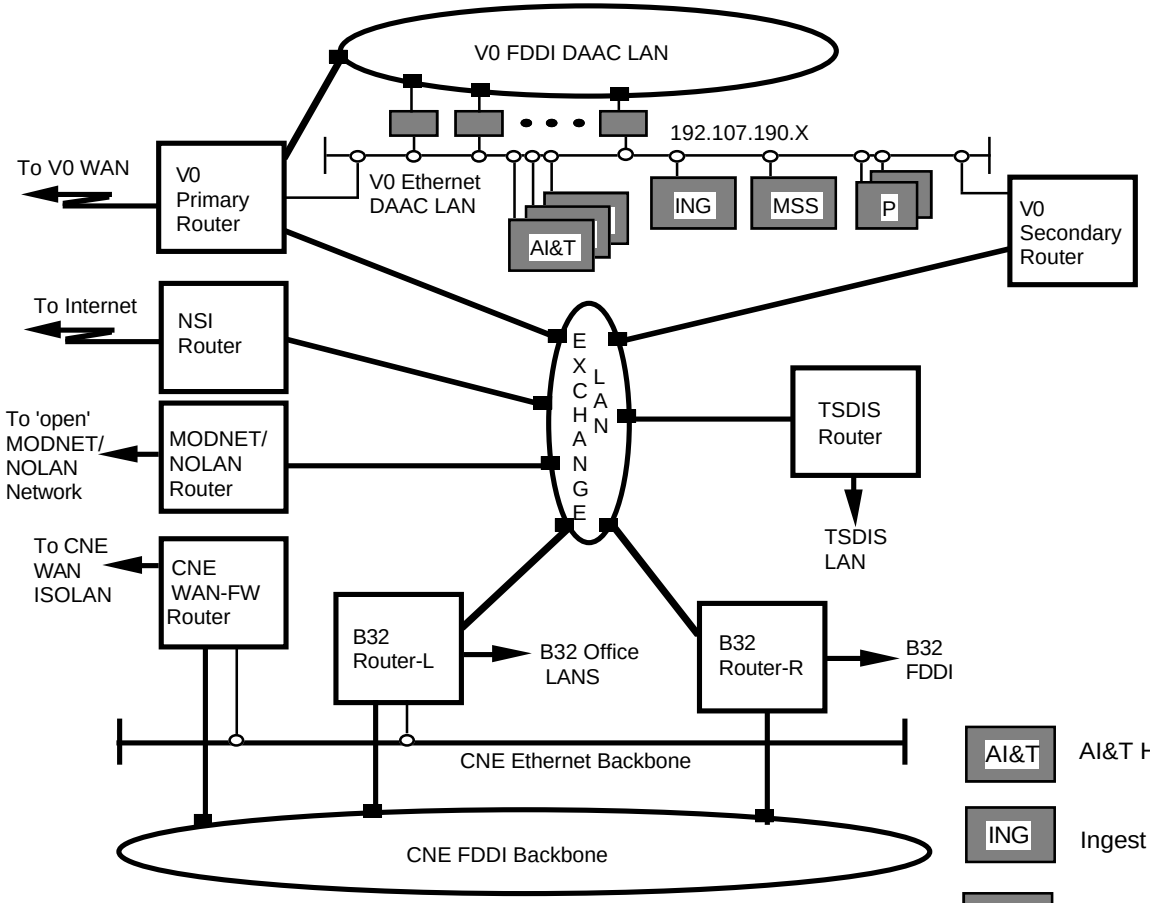
EDC IR-1 Network Configuration



ECS IR1 Activities at EDC

- **Early AM-1 (ASTER) AI&T**
- **There will not be an ingest host**
- **ECS devices will be attached to the V0 DAAC Ethernet segment**

GSFC IR-1Network Configuration



ECS IR1 Activities at GSFC

- **Early interface testing between TSDIS and ECS**
- **Early AM-1 AI&T**
- **ECS devices will be attached to the V0 DAAC Ethernet segment**
- **There will be a V0 exchange network connecting: TSDIS, NSI, CNE, V0 and NOLAN/MODNET**

AI&T — AI&T Host and Workstations

ING — Ingest Host

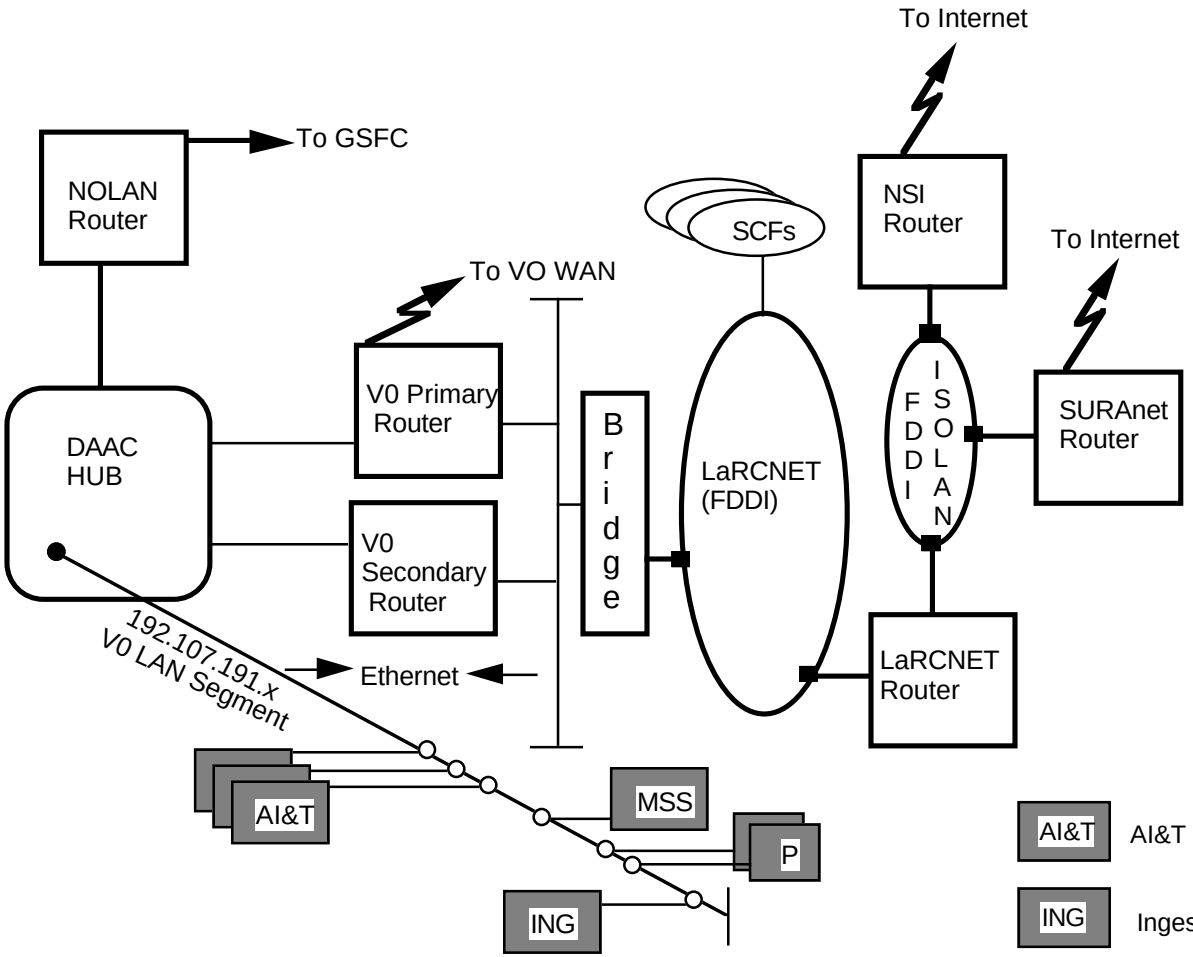
MSS — MSS Server

P — Printer

ECS Equipment

Dual Homed V0 Hosts

LaRC IR-1 Network Configuration



ECS IR1 Activities at LaRC

- **Early interface testing between TRMM's SDPF and LaRC DAAC**
- **Early TRMM (CERES) and AM-1 AI&T**
- **ECS devices will be attached to the V0 DAAC Ethernet segment**
- **No secure interface needed for NOLAN**

AI&T — AI&T Host and Workstations

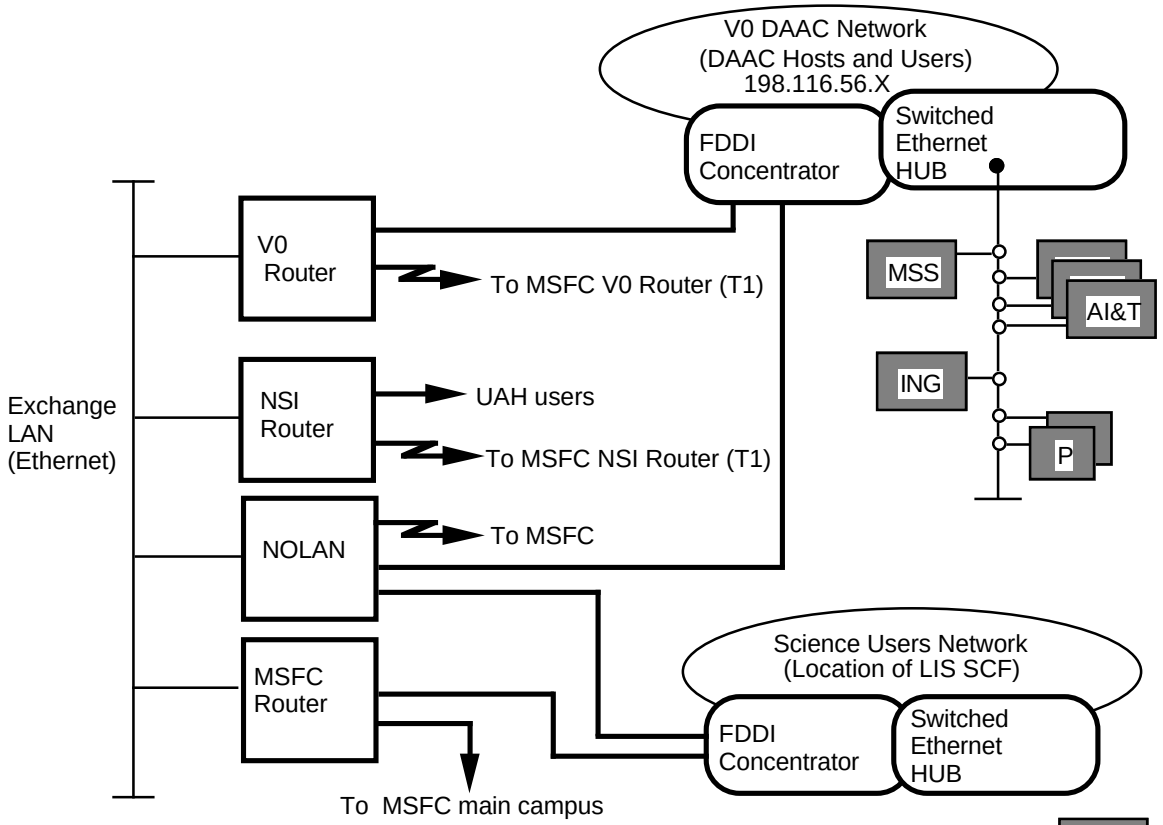
P — Printer

ING — Ingest Host

ECS Equipment

MSS — MSS Server

MSFC IR-1 Network Configuration



ECS IR1 Activities at MSFC

- **Early interface testing between TRMM's SDPF and MSFC DAAC**
- **Early interface testing between TSDIS and MSFC DAAC**
- **Early TRMM (LIS) AI&T**
- **ECS devices will be attached to the V0 DAAC Ethernet segment**
- **No secure interface needed for NOLAN**

AI&T — AI&T Host and Workstation

ING — Ingest Host

MSS — MSS Server

P — Printer

ECS Equipment